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CHAL-0936

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8 AUG 1963

ACTIVITY PROGRAM

1. PURPOSE

To provide additional and modify existing equipment at our EK facility which will improve the quality of the original take and expeditiously satisfy the demands of the Intelligence Community for dupe positives and dupe negatives. These requirements are not only generated by CHALICE, but also projects CORONA, ARGON, and OXCART.

2. DESCRIPTION OF WORK OR SERVICES REQUIRED

Estimated Cost

(a) Change Eltron to Speltron will decrease the possibility of damage to the negative, improve processing quality and speed up negative processing. Modification will produce a continuous "interrupted" processor in which the film is given some development, washed, inspected under IR, the development continued and fixed, washed and dried. Since the film is not dried until development is completed, static is completely eliminated. The film is not handled from beginning to end and hence the danger of physical damage is materially reduced. Furthermore, the speed of the machine is double that of the primary Eltron or 10 fpm and fewer men [redacted] are required to process the negative.

(b) Add Second Flexowriter Titler. One Titler is a bottleneck now. We can gain 6 to 8 hours on each mission by providing two Titlers. In addition, we want to make some changes to minimize dust.



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- (e) Make One Pre-splice Table. See letter of 29 February. We have only one. With two processors (see 1 above) we need two to achieve maximum output.
- (d) Modify Duplicating Processor. Present processor produces development streaks and base scratches. Modification will add an elevator on the front of the machine to maintain constant tension on the film and to minimize damage when splicing rolls. A spray cabinet will also be added to minimize mottle (development streaks).
- (e) Add Second Cleaner-Waxer. We have one cleaner-waxer now. This is the original prototype. Our instructions are to wax all duplicates, but this machine has a speed of 20 fpm whereas we have two dupe processors each with a speed of 20 fpm and hope to have a third.
- (f) Modifications to Kongo Processor. Modifying this machine will increase our duplicating capacity 50% and insure against loss of time in meeting schedules. This machine is the property of EK and costs in excess of \$100,000. Modification is required to make it suitable for continuous (24 hour) operation and to minimize the possibility of product damage and degradation of quality. Costs for modifications will not be separable from the machine and must be considered an expense item or as rental over the time the machine is in operation for the Project.
- (g) Install New Ceiling on 3rd Floor. Much of our dirt problem arises from the fact that we are in a very old building with open beam floors. The printing and film handling areas are under a heavy traffic area on the floor above. We propose a false ceiling. This building is owned by the Navy, and this area is operated only in support of the Project.

3. EXPECTED ADDITIONAL OR RELATED WORK OR SERVICES

Some additional modifications to processing equipments may be required when final films and processing requirements for OXCART are known.

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4. TOTAL ESTIMATED COST

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A. Total Cost (Firm):

All modifications, noted in paragraph 2, above

B. Source of Funds:

1. DFD FI-61 budget for Contract PO 660
2. Amounts per Project:

Project	Total FI-61 Funds	Percent of Mod. to Project	Total Cost to Project
a. CHALICE			
b. CORONA			
c. ARJIS			
d. GICANT			

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5. DELIVERY SCHEDULE OR PERIOD OF PERFORMANCE

The above modifications will require a total of seven (7) months to complete. Time required to complete modification for each item is as follows:

(a)	Change Elaron to Spellron	6 - 7 months
(b)	Add Second Flexewriter Titler	4 months
(c)	Make One Pre-applies Table	5 months
(d)	Modify Duplicating Processor	6 - 7 months
(e)	Add Second Cleaner-Mixer	3 months
(f)	Modifications to Longo Processor	3 months
(g)	Install new Ceiling on 3rd Floor	2 months

6. REMARKS

- (a) HI has completed fabrication of a Flexewriter Titler for SAC. Negotiations are underway with Air Force for loan of this Titler to the Project until the Titler listed in paragraph 2 (b) can be completed.
- (b) Project Headquarters recently has been informed of complaints submitted by SAC and AIC through Headquarters, USAF concerning lack of expeditious deliveries and quality of the take produced by the CHALICE program. In order to expedite deliveries and improve the quality of the take for all programs (CORONA, ARJIS, and GICANT), i.e., to eliminate dust, dust markings, scratches, and damage, it is necessary that the above modifications be

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accomplished as soon as possible. Since these improvements affect CHALICE, OKCART, CONOMA, and ARIZ, modification costs are presented to the different projects as shown in paragraph 4, B, (2) above.

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Deputy Chief, Development Branch
DPD-23/P

CONCURRENCE:

SIGNED

8 AUG 1960


STANLEY W. BEEHLY
Colonel USAF
Acting Chief, DPD-20/P


Date

APPROVED:

SIGNED

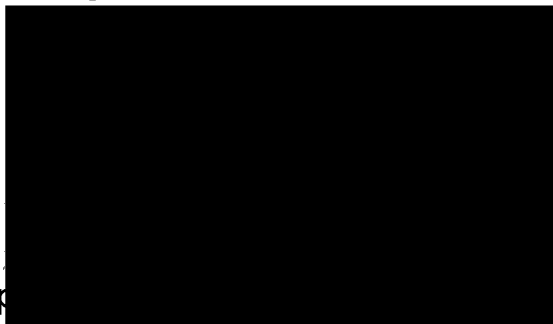
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RICHARD M. RUSSELL, JR.
Deputy Director (Plans)


Date

7. CONDITIONS OF APPROVAL

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